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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/935,100

TIME: 15:14:53

Input Set : N:\Crf3\RULE60\09935100.txt

Output Set: N:\CRF3\01152002\I935100.raw

SEQUENCE LISTING

ENTERED

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Weiner, David B

6 Levy, David

7 Refaeli, Yosef

9 (ii) TITLE OF INVENTION: VPR Function and Activity

11 (iii) NUMBER OF SEQUENCES: 10

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
15 Norris

16 (B) STREET: One Liberty Place 46th Floor

17 (C) CITY: Philadelphia

18 (D) STATE: Pennsylvania

19 (E) COUNTRY: United States of America

20 (F) ZIP: 19103

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 mbMD

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/935,100

C--> 30 (B) FILING DATE: 22-Aug-2001

36 (C) CLASSIFICATION:

33 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: 08/167,608

35 (B) FILING DATE:

38 (viii) ATTORNEY/AGENT INFORMATION:

39 (A) NAME: DeLuca, Mark

40 (B) REGISTRATION NUMBER: 33,229

41 (C) REFERENCE/DOCKET NUMBER: APOL-0018

43 (ix) TELECOMMUNICATION INFORMATION:

44 (A) TELEPHONE: 215-568-3100

45 (B) TELEFAX: 215-568-3439

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 28 base pairs

52 (B) TYPE: nucleic acid

53 (C) STRANDEDNESS: single

54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: cDNA

58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

C--> 60 GCGGGCTCGA GGATCCGCCG CCACCATG

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63 (2) INFORMATION FOR SEQ ID NO: 2:
65     (i) SEQUENCE CHARACTERISTICS:
66         (A) LENGTH: 20 base pairs
67         (B) TYPE: nucleic acid
68         (C) STRANDEDNESS: single
69         (D) TOPOLOGY: linear
71     (ii) MOLECULE TYPE: cDNA
73     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
C--> 75     GGGGCTTGTT CCATGGTGGC                                20
78 (2) INFORMATION FOR SEQ ID NO: 3:
80     (i) SEQUENCE CHARACTERISTICS:
81         (A) LENGTH: 24 base pairs
82         (B) TYPE: nucleic acid
83         (C) STRANDEDNESS: single
84         (D) TOPOLOGY: linear
86     (ii) MOLECULE TYPE: cDNA
88     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
C--> 90     CCGCGGATCC TAGGATCTAC TGGC                                24
94 (2) INFORMATION FOR SEQ ID NO: 4:
96     (i) SEQUENCE CHARACTERISTICS:
97         (A) LENGTH: 21 amino acids
98         (B) TYPE: amino acid
99         (D) TOPOLOGY: linear
101    (ii) MOLECULE TYPE: peptide
103    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
105    Cys Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro His Asn
106    1           5           10           15
108    Glu Trp Thr Leu Glu
109           20
113 (2) INFORMATION FOR SEQ ID NO: 5:
115     (i) SEQUENCE CHARACTERISTICS:
116         (A) LENGTH: 12 amino acids
117         (B) TYPE: amino acid
118         (D) TOPOLOGY: linear
120     (ii) MOLECULE TYPE: peptide
122     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
124    Gly Pro Gln Arg Glu Pro His Asn Glu Trp Thr Leu
125    1           5           10
129 (2) INFORMATION FOR SEQ ID NO: 6:
131     (i) SEQUENCE CHARACTERISTICS:
132         (A) LENGTH: 14 amino acids
133         (B) TYPE: amino acid
134         (D) TOPOLOGY: linear
136     (ii) MOLECULE TYPE: peptide
138     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
140    Gly Leu Gly Gln His Ile Tyr Glu Thr Gly Asp Thr Trp Ala
141    1           5           10
145 (2) INFORMATION FOR SEQ ID NO: 7:
147     (i) SEQUENCE CHARACTERISTICS:

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148      (A) LENGTH: 16 amino acids
149      (B) TYPE: amino acid
150      (D) TOPOLOGY: linear
152      (ii) MOLECULE TYPE: peptide
154      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
156      Ile Gly Val Thr Gln Gln Arg Arg Gln Arg Asp Gly Ala Ser Arg Ser
157      1          5          10          15
160 (2) INFORMATION FOR SEQ ID NO: 8:
162      (i) SEQUENCE CHARACTERISTICS:
163          (A) LENGTH: 12 amino acids
164          (B) TYPE: amino acid
165          (D) TOPOLOGY: linear
167      (ii) MOLECULE TYPE: peptide
169      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
171      Gly Pro Gln Arg Glu Pro His Asn Glu Trp Thr Leu
172      1          5          10
176 (2) INFORMATION FOR SEQ ID NO: 9:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 15 amino acids
180          (B) TYPE: amino acid
181          (D) TOPOLOGY: linear
183      (ii) MOLECULE TYPE: peptide
185      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
187      Gly Leu Gly Gln His Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala
188      1          5          10          15
192 (2) INFORMATION FOR SEQ ID NO: 10:
194      (i) SEQUENCE CHARACTERISTICS:
195          (A) LENGTH: 16 amino acids
196          (B) TYPE: amino acid
197          (D) TOPOLOGY: linear
199      (ii) MOLECULE TYPE: peptide
201      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
203      Ile Gly Val Thr Gln Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg Ser
204      1          5          10          15

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VERIFICATION SUMMARY

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L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:60 M:111 C: (47) String data converted to upper case,
L:75 M:111 C: (47) String data converted to upper case,
L:90 M:111 C: (47) String data converted to upper case,